

L 12016-65

ACCESSION NR: AT4045962

the laboratory tests, a determination was made of the most suitable form and parameters of the charge. The diameter of the charge was 40 mm to be used in shot holes 46 mm in diameter. The cross sectional area of the cumulative cut was varied every 0.8 cm² in an interval from 0.8 to 5.6 cm². The charge length was 420 mm, the explosive used being detonite 6A. In the field tests, the work was conducted in excavations with a cross-sectional area of 4 m², with rock and ore strength readings of 14-18 on the scale devised by Prof. Protod'yakonov. In attempting to determine the optimal form for the cumulative cut-out, six forms were studied with a total of approximately 150 individual blasts on sheet metal. The maximum destructive effect was observed in the case of a cumulative surface of spherical form. Maximum efficiency was determined by the authors not only on the basis of the "volume of destruction" (total destructive effect), but also by using as a criterion the specific consumption of explosive material for the destruction of 1 cubic centimeter of metal sheet. Tables and graphs are given illustrating the dependence of the specific explosive consumption on the cross-sectional area of the cumulative gap in order to establish the form and dimensions of the cumulative cavity which will ensure optimal results. The field tests were carried out at the "Kaz" and "Odra Bash" mines of the Kuznetskiy metallurgicheskiy kombinat (Kuznets Metallurgical Combine), using the cumulative charge which had displayed the best results in the destruction of sheet metal. The tests were conducted in 4 m²-excava-

Card 2

L 12016-65
ACCESSION NR: AT4045962

tions, with the charges in the shot holes located in such a way that the cumulative effect of their blast coincided with the direction of their line of least resistance (LLR). A total of 132 explosions of single charges was set off for different dimensions of the open surfaces, and the optimal LLR was determined for each of these. The authors found that, in all cases, the break-through distances (radius of effective destruction) were greater for cumulative charges than for conventional, with the destruction between charge holes being more intense than with conventional charges. On the basis of the optimal LLR values, three different arrangements for the shot holes were tested: with a prismatic cut, with a central circular cut and with a circular cut and combined charges. The practical effects of these different patterns and of the possible variations within each are considered in detail, particularly from the point of view of pressing and other efficiency-related factors. Orig. art. has: 4 tables and 7 figures.

ASSOCIATION: VostNIGRI

SUBMITTED: 00

ENCL: 00

SUB CODE: WA

NO REF SOV: 000

OTHER: 000

Card 3/3

MASHUKOV, V.I., inzh.; VEDUTIN, V.F., inzh.; ERGANOV, S.D., inzh.

Indices of ore breaking in chambers depending on the design
of borehole charges. Vozv. delo no.57/14:339-344 '65.
(MIRA 18:11)

1. Vostochnyy nauchno-issledovatel'skiy gornorudnyy institut.

VEDUTIN, V.F.; MATVEYEV, V.P.

Utilizing the effect of the pressing-in of boreholes. Ger. zhur.
no.5:31-34 My '65. (MIRA 13:5)

1. Vostochnyy nauchno-issledovatel'skiy gornorudnyy Institut (for
Vedutin). 2. Rudnik "Kaz" (for Matveyev).

VEDUVA, I. (Vaduva, I.)

Operation research in production and inventory control" Rev
math Roum 9 no.2:203-204 '64.

VEDUVA, I. [Vaduva, I.]

Sequential tests of the distributions of the exponential
type. Rev math pures 7 no. 4:705-716 '62.

VEDYAKIN, A.

Awarding premiums to engineering personnel. Sov.profsoiuzy 7
no.9:43-44 My '59. (MIRA 12:8)

1. Starshiy inspektor otdela truda i zarplaty Vsesoyuznogo tsentral'-
nogo soveta profsoyuzov.
(Chasov-Yar--Non-wage payments) (Bonus system)

I 16475-66 ENT(d)/ENT(m)/EMA(d)/EMP(t)/EWP(k)/EWP(l) JD/HW
ACC NRG AR6009958 SOURCE CODE: UR/0137/65/000/012/D012/D013

AUTHOR: Kaufman, M. M.; Gleyberg, A. Z.; Finkel'shteyn, Ya. S.; Kuryatnikov, A. Y.;
Kukarskikh, V. N.; Chemerinskaya, R. I.; Salyuk, L. A.; Pil'nikova, N. N.; Vedyakin,
N. M.; Sultinskikh, A. N.; Kalugin, Ya. P.

ORG: none

TITLE: Improving the quality of stainless steel pipe

SOURCE: Ref. zh. Metallurgiya, Abs. 12D101¹⁴ 57⁴⁴⁻¹⁸

REF SOURCE: Sb. Proiz-vo svarn. i besshovn. trub. Vyp. 4. M., Metallurgiya, 1965, 51-59

TOPIC TAGS: stainless steel, pipe, metal rolling, metal heat treatment, metal inspection, steel/Kh18N10T steel

TRANSLATION: An intensified process is developed for heating metal. Experimental rolling showed that use of this process reduces scrap due to flaws on the interior surface of pipes to 1/2 at primary inspection. Reducing temperature for metal heating and pipe rolling and increasing feed angle of rolls on the piercing mill (10°-10° 30') improves pipe quality. Kh18N10T steel with a high concentration of α-phase (14-16%) results in an increased rate of pipe scrap at initial inspection (up to 70%), as well as a high percentage of rejects at final inspection (up to 70%), as well as a high percentage of rejects at final inspection (up to 15%). Therefore this grade of steel with an α-phase concentration of more than two points ball cannot be recommended for pipe production. L. Kochenov. JPRS

Card 1/10 SUB CODE: 13 UDC: 621.785.1

54
B

12

VEDYAKIN, N.M., inzh.; SULTINSKIKH, A.N., inzh.

New grooving of blooming mill rolls for the rolling of
rectangular pipe. Stal' 24 no.5:434-436 My '64.

(MIRA 17:12)

1. Pervoural'skiy novotrubnyy zavod.

VEDYAKIN, N.M., inzh.; SULTINSKIKH, A.N., inzh.

New type of calibration of piercing machine former bars. Stal' 24
no.7:630-636 J1 '64. (MIRA 18:1)

1. Pervoural'skiy novotrubnyy zavod.

VEDYAPIN, M.G.; GOGA, I.V.; SHALDAISOV, A.P.

Industrial testing of the LMK-20 shunting winch. Ugol' 39 no.1:
50-51 Ja '64. (MIRA 17:3)

1. Kiselevskiy mashinostroitel'nyy zavod.

VEDYAPIN, M.G.; GOGA, I.V.; SHALDAISOV, A.P.

Wider use of winches for roof caving. Ugol' 35 no.2:19-23
F '60. (MIRA 13:5)

1. Kiselevskiy mashinostroitel'nyy zavod Kemerovskogo
sovnarkhoza.

(Winches) (Mining engineering)

VEDYAPIN, M.G.

Public inspection at the Kiselevsk Machinery Plant. Mashinostroitel'
no.2:41 F '65. (MIRA 18:3)

CA

12

Influence of calcium on cheese consistency. A. Orchinikov and P. Vedyashkin (Leningrad Refrig. Ind. and Dairy Ind. Inst.). *Molokhosy Prom.* 11, No. 11, 38-9 (1950). -- For the same brand of cheese the content of Ca depends on pH; at higher levels of acidity Ca is cleaved from protein complexes and becomes H₂O-extractable. At low pH the cheese is crumbly; at high pH it becomes rubbery. However, within limits of 5.5-6.5 for pH, it is possible to have either crumbly or rubbery products, variations being directly caused by the amt. of Ca remaining bound with the protein. At 1.7-2.4% protein-bound CaO the cheese is rubbery; lower pH gives the crumbly structure.

G. M. Kosolapoff

VEDYASHKIN, P.

USSR / Chemical Technology. Chemical Products and Their Appli- I-30
cation. Food Industry.

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10402

Author : Vedyashkin, P.

Inst : Not given

Title : Defects Observed in Prematurely Paraffin-Coated Cheeses

Orig Pub : Moloch. prom-st, 1955, No 6, 19-20

Abstract : It has been established that staleness in paraffin-coated
cheeses is caused not by early coating but by the coating
of cheeses with incompletely formed crusts, regardless of
age. In the latter case, the paraffin coating prevents
the escape of the gases which are formed during the ripe-
ning of the cheese (H_2S and NH_3); the gases thus retained
dissolve in water and penetrate the interior of the cheese
mass, giving the cheese a taste and odor characteristic of

Card : 1/2

USSR / Chemical Technology. chemical Products and Their Appli- I-30
cation. Food Industry.

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10402

Abstract : the above-indicated defect. In order to prevent staling,
the author recommends that only cheeses with well-developed
crusts be paraffin coated and that proper care be taken to
assure the formation of a good crust.

Card : 2/2

VEDYASHKIN, P., inzhener; KOTOV, Yu., inzhener.

Paraffinization of cheese trays. Moloch. prom. 17 no.6:
40 '56. (MLRA 9:10)

(Cheese factories--Equipment and supplies)

VEDYASHKIN, P.E.

Determining the readiness of the cheese rind to be coated with paraffin by moistening with water. Izv.vys.ucheb.zav.; pishch. tekhn. no.1:135-137 '59. (MIRA 12:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut maslodol'noy i syrodol'noy promyshlennosti.
(Cheese)

VEDYASHKIN, P.F.

Change in the coagulation of calcium-enriched milk by rennin.
Izv.vys.ucheb.zav.; pishch.tekh. no.6:58-61 '58.

(MIRA 12:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut maslodel'-
noy i syrodel'noy promyshlennosti.
(Milk) (Rennin) (Calcium)

VEDYASHKIN, P. F.

Cand Tech Sci - (diss) "Study of factors determining the readiness of raw material surface for paraffination." Moscow, 1961. 19 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Technology Inst of the Meat and Dairy Industry); 120 copies; price not given; (KL, 7-61 sup, 233)

VEDYAYEV, A., KRAYNOV, B., and RODE, V. YE.,

"Experimental Determination of Exchange Energies in Ferrites"

report presented at the Symposium on Ferroelectricity and Ferromagnetism,
Leningrad, 30 May-5 June 63

L 10806-63

BDS/EPF(c)/EWT(1)/ES(w)-2---AFFTC/ASD/SSD--Pr-4/Pab-4--RW

67
66

ACCESSION NR: AP3002740

S/0120/63/000/003/0146/0147

AUTHOR: Rode, V. Ye.; Vedyayev, A. V.; Kraynov, B. N.; Taly*zin, V. M.

TITLE: Production of strong pulsed magnetic fields of long duration

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1963, 146-147

TOPIC TAGS: pulsed magnetic fields, long-duration transient fields, capacitor banks

ABSTRACT: An assembly is described for obtaining long-duration pulses with rectangular characteristics to produce transient (0.1 sec) magnetic fields of the order of 100 koe. The installation consists of a four-loop LC circuit, each loop containing 17 capacitors and one 400-turn coil, and a trigger circuit. At room temperature 120-koe fields were produced with a duration of 0.06 sec in a volume of 2 cm³; with solenoids cooled by liquid nitrogen, fields of 200 koe and 0.032 sec were obtained. By eliminating the LC circuit, the same

Card 1/2

L 10806-63

ACCESSION NR: AP3002740

capacitor bank produced 350-koe fields, but the pulse duration was reduced to only 0.01 sec. Orig. art. has: 4 figures.

ASSOCIATION: Fizicheskij fakul'tet MGU (Physics Faculty of MGU)

SUBMITTED: 26Jul62

DATE ACQ: 12Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER: 004

Card

nh/kib
2/2

RODE, V.Ye.; VEDYAYEV, A.V.; KRAYNOV, B.N.

Magnetization intensity of copper-cadmium ferrite in
pulsed fields up to 200 kOer. Fiz. tver. tela 5 no.6:
1755-1756 Je '63. (MIRA 16:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

L 17161-63 EWT(1)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/IJP(C)/SSD Pab-4
ACCESSION NR: AP3007055 S/0056/63/045/003/0415/0417

AUTHOR: Rode, V. Ye.; Vedyayev, A. V. 65
64

TITLE: Investigation of the magnetization of ferrite garnet in strong pulsed magnetic fields ²¹

SOURCE: Zh. eksper. i teoret. fiziki, v. 45, no. 3, 1963, 415-417

TOPIC TAGS: ferrite garnet magnetization, ferrite garnet magnetization curve, ferrite magnetization

ABSTRACT: The magnetization of gadolinium garnet has been studied at room temperature in 6-msec pulsed magnetic fields up to 220 k-oe. The measurements of the dependence of the magnetization curve on the field strength showed a rapid increase of magnetization starting at 70 k-oe, which means that the critical field has a value many times higher than the 5000 oe predicted for this material. The susceptibility was calculated as $23 \pm 4K$ for the exchange interaction between the ions of gadolinium and iron. The effective

Card 1/2

L 17161-63

ACCESSION NR: AP3007055

field acting on the sublattice of gadolinium ions was found to be $(2 \pm 0.4) \times 10^5$ oe, which closely conforms with American data obtained for the exchange resonance. Orig. art. has: 1 figure and 7 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: 04Feb63

DATE ACQ: 08Oct63

ENCL: 00

SUB CODE: PH

NO REF SOV: 005

OTHER: 001

Card 2/2

L 07107-07 ENI(1) IJP(C) GG

ACC NR: AP6029099

SOURCE CODE: UR/0048/66/030/006/0021/0926

74
B

AUTHOR: Vedyayev, A.V.; Kondorskiy, Ye.I.:

ORG: Moscow State University im. M.V.Komonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Contribution to the ^{2/}quantum theory of the ^{2/}Kerr effect in ^{2/}ferromagnetic metals
Report, All-Union Conference on the Physics of Ferro- and Antiferromagnetism held 2-7 July 1965 in Sverdlovsk/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 6, 1966, 921-926

TOPIC TAGS: ferromagnetism, Faraday effect, Kerr effect, electric conductivity, high frequency, quantum theory, photon, phonon interaction, theoretic physics

ABSTRACT: The authors employ Green's function techniques to calculate in the ladder approximation the high-frequency electrical conductivity tensor of a ferromagnetic metal, with interband transitions and the spin-orbit coupling of the magnetic electrons taken into account. The calculations are limited to the resonance case when the photon energy is close to the energy of an interband transition; thus only photon-induced interband transitions are taken into account. The final expression obtained for the conductivity tensor reduces in the appropriate limiting case to the result obtained by P.N.Argyres (Phys. Rev., 97, 334, (1955)) from quasiclassical considerations; the present work therefore provides a correct quantum statistical foundation for Argyres' result. The term proportional to the spin-orbit coupling in the part of the conduct-

Card 1/2

L 07107-67

ACC NR: AP6029099

ivity tensor due to interband transitions is responsible for the anomalous Kerr and Faraday effects. The authors propose to take into account in future work the contribution to the electric conductivity of interband transitions induced by electron-phonon collisions. This will make it possible to calculate the anomalous part of the conductivity tensor at low frequencies. Orig. art. has: 18 formulas.

SUB CODE: 20 SUBM DATE: 00 ORIG. REF: 004 OTH REF: 005

Card 2/2 *WPK*

VEDYAYEV, F.P.

Method of alimentary motor conditioned reflexes in rabbits. *Fiziol. zhur.* 40 no.6:748-751 N-D '54. (MLRA 8:2)

1. Otdel sravnitel'noy fiziologii patologii vysshey nervnoy deyatel'nosti Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.
(REFLEX, CONDITIONED,
gastrointestinal motor reactions, technic in rabbits)

VEDYAYEV, F. P.

"On Comparative Physiology of Conditioned Reflexes to Complex Stimulants." (Dissertation for Degree of Candidate for Medical Sciences) Inst of Experimental Medicine of the Acad Med Sci USSR, Division of Comparative Physiology and Pathology, Leningrad, 1955

SO: M-1036 28 Mar 56

всего 10 страниц.

ORBILI, L.A., akademik, redaktor; BRESTKIN, M.P., redaktor; VEDYAYEV, F.P., redaktor; PEVZNER, R.S., tekhnicheskii redaktor

[Functions of an organism in varied gaseous media] Funktsii organizma v usloviakh izmenennoi gazovoi sredy. Moskva, Vol.1. 1955. 265 p. (MLRA 9:3)

1. Akademiya nauk SSSR. Laboratoriya evolyutsionnoy fiziologii. (Gases--Physiological effect)

VEDYAYEV, F.P., kand.med.nauk

Problems in the evolutionary physiology of the nervous system.
Vest.ANI SSSR 11 no.4:74-79 '56. (MIRA 12:10)
(NERVOUS SYSTEM)

V. E. DYAYEV, F. P.

USSR/Human and Animal Physiology - Comparative Physiology

R-2

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70396

Author : Vedyayev, F.P.

Title : Comparative Physiol. of Conditioned Reflexes with Complex Irritants

Orig Pub : Zh. vyssh. nervn. deyat-stu, 1956, 6, No 5, 786-793

Abstract : The analysis and synthesis of simultaneous complex irritant in pigeons occurs after 200-250 application of the Complex (C) and a large number of tests with components without reinforcement, is not stable. In rabbits for the production of a more stable conditioned reflex for a simultaneous complex, 117-119 connections are necessary. The differentiation of Complex is much more expressed in rabbits than in pigeons. The formation of conditioned reflex at the following Complex occurs slower than at the simultaneous. In pigeons the placement of the component in the structure of the irritant

Card 1/2

- 76 -
Dept. Comparative Physiology & Pathology, Inst. Exptl. Med, AMS USSR

Abs Jour : Referat Zhur Biologii, No 16, 1957, 70396

does not have a decisive importance in the result of the conditioned reaction; in the rabbits the placement of the component plays a much greater role.

Card 2/2

- 77 -

BIRYUKOV, D.A.; VEDYAYEV, F.P. (Leningrad)

▲Achievements in evolutive physiology; conference on the problems
of evolutive physiology of the nervous system. Fiziol.zhur. 42
no.7:612-620 J1 '56. (MLRA 9:10)
(NERVOUS SYSTEM, physiology,
evolutive physiol. (Rus))

VEDYAYEV, P.

Sechenov days in the country. *Fisiol. zh. SSSR* 42 no.1:129-130
Ja 56. (MIRA 9:5)

(SECHENOV, IVAN MIKHAILOVICH, 1829-1905)

VEDYAYEV, F.P.

Enlarged session of the office of the Department of Biological
Sciences of the Academy of Sciences of the U.S.S.R. *Fiziol.zhur.*
42 no.9:828-829 S '56. (MLBA 9:11)
(PHYSIOLOGY—PERIODICALS)

USSR/Human and Animal Physiology - Comparative Physiology

R-2

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70397

Author : Vedyayev, F.P.

Title : Some Data of Comparative Pathophysiology of the Higher Nerve Activity in Lower Animals

Orig Pub : Phisiol. zh.SSSR, 1956, 42, No 12, 1064-1071

Abstract : In pigeons with worked out defensive conditioned reflexes of movement, we observed disturbance in the c.r. with serial irritants, with different analizers, with a summary action of two conditioned irritants, (inertness of the irritatin process), with a prolonged (300 units) application of one complex irritant, and a subsequent complex irritant (overstraining of delayed inhibition). In rabbits (feeding movements C.R. were worked out) the disturbance of C.R. was only observed in complex conditions of irritation. In rats in the course of 16-64 hrs of sever; neurotization: overintensification of the

Card 1/2

- 78 -

Dept. Comparative Physiology & Pathology, Inst. Exptl. Med. AMS USSR

USSR/Human and Animal Physiology - Comparative Physiology

R-2

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70397

irritating process "knock down", use of rhythmical light with periodic increase in current etc.) produced a lesser disturbance of the (VND?) than a chronic (2-4 hrs daily) irritation. In the latter case within the first 10 days an increase in motor activity was noted, passing in the following days into a inhibited condition. In mice the motor activity was observed 20-30 days during neuroticisation. After that an inhibited state developed and the mice died, which was not noted in rats.

Card 2/2

- 79 -

EXCERPTA MEDICA Sec.2 Vol.10/8 Phy.Biochem. Aug 57

VEDYAYEV, F.P.

3467. VEDIAJEV F.P.*Comparative physiology of conditioned reflexes to complex stimuli (Russian text) Z.VYSC.NERV. DEJATEL. 1956, 6/5 (786-793) Graphs 10

Defensive and feeding reflexes were established in pigeons and feeding reflexes in rabbits. Conditioned stimuli were electric light and sound of 70 d.v., with the same stimuli employed as simultaneous and successive complex stimuli. For differentiation coloured lights and sound of 40 d.v. were used. 'Analysis and synthesis of the simultaneous complex stimulus in pigeons occur after 200 combinations of the complex stimulus', but are not stable; 'in rabbits analysis and synthesis develop faster (117-149 combinations)', and are quite stable. Successive complex stimuli lead to a slower establishment of conditioned reflexes than do simultaneous ones.

Kleitman - Chicago, Ill.

EXCERPTA MEDICA Sec.2 Vol.10/7 Phy.Biochem. July 57
VEDYAYEV, F.P.

2989. VEDIAEV F. P. Dept. of Comp. Physiol. and Pathol., Inst. of Exp. Med., Leningrad *Some data on comparative pathologic physiology of higher nervous activity (Russian text)* Fiziol. Z. 1956, 42/12 (1064—1071) Illus. 3

Conditioned alimentary motor reflexes and defensive motor reflexes were established in rabbits, pigeons, rats and mice. Neurotic patterns of behaviour were obtained by application of drastic stimuli (bright light and loud noise), as well as by conflicting conditioned stimuli. The breakdown of higher nervous activity in pigeons and in rabbits was accompanied by predomination of either excitatory or of inhibitory processes. In rats and in mice the breakdown of higher nervous activity resulted in disorders of a more serious nature.

2989

CONT.

In some of the animals pathological behaviour patterns were accompanied by
dyspnoea, paresis of hind legs, cutaneous disorders and emaciation.
Simonson — Minncapolis, Minn.

BIRYUKOV, D.A., VEDIYAYEV, F.P., ZAGORUL'KO, T.M., KARAMYAN, A.I.

Substantial contribution to the development of comparative
physiology ("Principles of comparative physiology: Comparative physiology
of the nervous system" by Kh.S. Koshtolianets. Reviewed by D.A. Biriukov
and others. Fiziol.zhur. 44 no.6:595-598 Je '58 (MIRA 11:7)
(NERVOUS SYSTEM)
(KOSHTOLIANETS, Kh.S.)

BIRYUKOV, D.A. VEDYAYEV, F.P. (Leningrad)

Forty years of publication of "Fiziologicheskii zhurnal SSSR im.
I.M. Sechenova"; 1917-1957. Fiziol.zhur. 44 no.11:1009-1016 N '58
(MIRA 11:12)

(PHYSIOLOGY,
journal Fiziologicheskii zhurnal SSSR im. I.M. Sechenova
40th anniversary (Rus))

(PERIODICALS,
same (Rus))

VEDYAYEV, F.P., kand.med.nauk; FANARDZHIAN, V.V.,kand.med.nauk

Characteristics of reflex activity in lampreys and cyprinoid fishes.
Trudy sov.Ikht.kom. no.8:69-76 ' 58. (MIRA 11:11)

E. Otdel sravnitel'noy fiziologii i patologii Instituta eksperimental'-
noy meditsiny AMN SSSR.
(Lampreys) (Carp) (Conditioned response)

BIRYUKOV, Dmitriy Andreyevich, prof., otv. red.; VOYNO-YASENYTSKIY, A.V., red.;
ZHUKOV, Ye.K., red.; KARAMYAN, A.I., red.; KREPS, Ye.M., red.;
PAVLOV, B.V., red.; VEDYAYEV, F.P., red.; RULEVA, M.S., tekhn. red.

[Evolution of the functions of the nervous system] Evolutsia
funktsii nervnoi sistemy. [Leningrad] Gos. izd-vo med. lit-ry.
Leningr. otd-nie, 1958. 287 p. (MIRA 11:12)

1. Chlen-korrespondent Akademiya meditsinskikh nauk SSSR (for Biryukov).
(NERVOUS SYSTEM)

VEDYAYEV, F.P.

Respiratory effects produced by stimulating some subcortical formations [with summary in English]. Fiziol.zhur. 45 no.1:40-47
Ja '59. (MIRA 12:2)

1. From the department of comparative physiology and pathology,
Institute of Experimental Medicine, Leningrad.

(RESPIRATION, physiol.

eff. of stimulation of cerebral subcortical
form. (Rus))

(BRAIN, physiol.

eff. of stimulation of subcortical form. on resp.
(Rus))

VEDYAYEV, F.P. (Leningrad)

Second Conference on Evolutionary Physiology, dedicated to the
memory of Academician L.A. Orbeli. *Fiziol.shur. SSSR* 45 no.7:
891 J1 '59. (MIRA 13:4)

(PHYSIOLOGY)

VEQYAYEV, F.P.

Physiology of experimental epileptic reactions of subcortical
origin. Fiziol.zhur. 46 no.2:167-178 F '60. (MIRA 14:5)

1. From the Department of Comparative Physiology and Pathology,
Institute of Experimental Medicine, Leningrad.
(EPILEPSY)

BIRYUKOV, D.A. (Leningrad); VEDYAYEV, F.P. (Leningrad)

Some problems in the physiology of the nervous system in the
Czechoslovakian People's Republic. Fiziol. Zhur. 46 no. 5:636-
641 My '60. (MIRA 13:12)

(CZECHOSLOVAKIA—NERVOUS SYSTEM)

VEDYAYEV, F.P. (Leningrad); DANILOV, I.V. (Leningrad)

"Epilepsy" by A.Kreindler. Reviewed by F.P.Vediaev and I.V.
Danilov. Fiziol. zhur. 47 no.11:1445-1448 N '61. (MIRA 14:11)
(EPILEPSY) (KREINDLER,A.)

VEDYAYEV, F.P.

Characteristics of focal mechanisms of subcortical
epilepsy. Fiziol. zhur. 50 no.8:990-999 Ag '64.

(MIRA 18:12)

1. Otdel sravnitel'noy fiziologii i patologii Instituta
eksperimental'noy meditsiny AMN SSSR, Leningrad.

VEDYAYEV, Fedor Petrovich

[Subcortical mechanisms of complex motor reflexes; on the comparative physiology of the subcortical formations of the brain] Podkorkovye mekhanizmy slozhnykh dvigatel'nykh refleksov; k sravnitel'noi fiziologii podkorkovykh obrazovani golovnoogo mozga. Leningrad, Meditsina, 1965. (MIRA 18:12)
213 p.

VEDYAYEV, F.P.

Role of the parameters of the functional state in the formation of the reaction of subcortical origin. *Fisio. zhur.* 48 no.8:942-952 Ag'62. (MIRA 16:6)

1. From the Laboratory of Comparative Physiology, Institute of Experimental Medicine, Leningrad.
(CEREBRAL CORTEX) (REFLEXES)
(ELECTRICITY — PHYSIOLOGICAL EFFECT)

VEDYAYEV, F.P.

Role of structures of the striated and thalamic level of the central nervous system of birds in the regulation of external respiration and their functional characteristics. Fiziol. zh. SSSR Sechenov 49 no.6:666-676 '63 (MIRA 17:1)

1. From the Laboratory of Comparative Physiology and Pathology, Institute of Experimental Medicine, Leningrad.

VEDYAYEV, F.P. (Leningrad); LICHKO, A.Ye. (Leningrad)

Some results of the research on problems in the evolution of functions;
based on materials from the Third Conference in Evolutional Physiology
Dedicated to the Memory of L.A. Orbel'. Fiziol. zhur. 47 no.10:1333-
1338 0 '61. (MIRA 15:1)

(PHYSIOLOGY)

(EVOLUTION)

VEDYAYEV, F.P.

Analysis of cortical and subcortical relations in experimental
epilepsy. Fiziol. zhur. 47 no.6:711-720 Je '61. (MIRA 15:1)

1. From the Department of Comparative Physiology and Pathology
Institute of Experimental Medicine, Leningrad.
(EPILEPSY) (CEREBRAL CORTEX)
(ELECTROENCEPHALOGRAPHY)

VEDYAYEV, I. P.

Study of tissue circulation by means of J^{131} in injuries of the
extremities. Med. rad. no.12:25-29 '61. (MIRA 15:7)

1. Iz kliniki vosstanovitel'noy khirurgii Saratovskogo nauchno-
issledovatel'skogo instituta travmatologii i ortopedii.

(IODINE--ISOTOPES) (BLOOD--CIRCULATION)
(EXTREMITIES(ANATOMY)--WOUNDA AND INJURIES)

KOSMACHEV, A.N. ; VEDYAYEV, I.P.

Rare case of a congenital medial cleft of the nose. Stomato-
logiia 42 no.4:85-86 JI-Ag'63 (MIRA 17:4)

1. Iz kliniki vosstanovitel'noy khirurgii (zav. - kand. med.
nauk I.I.Antonov) Saratovskogo nauchno-issledovatel'skogo in-
stituta travmatologii i ortopedii (dir. - dotsent Ya.N.Rodin).

BELINSKIY, Semen Yakovlevich; VEDYAYEV, Vladimir Andreyevich; KERTSELLI,
L.I., prof., red.; GRIGOR'YEV, S.N., prof., red.; VORONIK, K.P.,
tekhn. red.

[Thermal sections of electric power plants; heat engineering systems]
Teplovaia chast' elektricheskikh stantsii; teploenergeticheskie usta-
novki. Pod red. L.I.Kertselli. Moskva, Gos. energ. izd-vo, 1961.
303 p. (MIRA 14:6)

(Steam power plants)

VEDYAYEV, V. A., ENGINEER

"Investigation of Operational Conditions for
Regenerators of Gas-Turbine Installations."
Thesis for degree of Cand. Technical Sci.
Sub 23 Jun 50, Moscow Order of Lenin Power
Engineering Inst imeni V. M. Molotov

Summary 71, 4 Sep 52, Dissertations Presented
for Degrees in Science and Engineering in Moscow
in 1950. From Vechernyaya Moskva. Jan-Dec 1950

VEDYAYEV, V.P.

Physiology of conditioned responses to complex stimuli in fish.
Zhurnal'nyy nerv. deyat. 6 no. 4:604-611 J1-Ag '56. (MLDA9:11)

1. Otdel sravnitel'noy fiziologii i patologii Instituta eksperimental'noy meditsiny AMN SSSR.

(REFLEX, CONDITIONED)

conditioned reactions to complex stimuli in fish (Rus))

8(0)

SOV/112-59-1-986

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 131 (USSR)

AUTHOR: Krest'yaninov, A. G., Vedyayev, Yu. M., and Nizhegorodtsev, N. N.

TITLE: Electrical Pickup for Short-Delay Blasting

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 11, pp 26-28

ABSTRACT: Delaying the action of an electric detonator can be achieved by a thyatron timer associated with a chargeable capacitor. The charging time can be adjusted within 0.01 - 0.07 sec by 7 series-connected resistors. The pickup is AC supplied at 120 or 220 v, 70 w; its dimensions are 25 x 35 x 15 cm, weight 4 kg. The pickup circuit diagram is presented, as well as the method for, and results of its calibration and checking. The operating error found by tests is $\pm 10\%$. In open-pit work, the blasted area was increased from 2.5 to 5 m, unsuitable-size pieces were cut to one-half, explosive consumption was reduced, and safety increased.

G.I.S.

Card 1/1

BURLUTSKIY, B.D., inzh.; VEDYAYEV, Yu.M., inzh.

Safety tester for the detonating circuit. Bezop. truda v prom.
5 no. 2:30 F '61. (MIRA 14:2)

1. Irkutskiy nauchno-issledovatel'skiy institut redkikh metallov.
(Detonators--Testing)

VEDYUKOV, Ye.A., inzhener; NOVTANYUK, Ye.F., inzhener; DONSKOY, B.V.,
inzhener.

Improving the operation of chemical water purification in heat and
power plants (TEPS). Energetik 5 no.6:15-16 Je '57. (MLRA 10:7)
(Feed-water purification)

VEDYUKOV, Ye.A., inzh.; DONSKOY, B.V., inzh.; KOVTOMYUK, Ye.F., inzh.

Removal of iron from condensate. Energetik 8 no.1:15-16
Ja '60. (MIRA 13:5)
(Filters and filtration) (Iron oxides)
(Feed-water purification)

VEDYUKOV, YE. A.

YELAGIN A.V.: PETROV, P.I.; VEDYUKOV, Ye.A.

Experience with acidproof coatings applied on gauze in cation-exchanging filters, pipes, and fittings. *Energ. biul.* no.1:29-30
Ja '57. (MIRA 10:1)

(Protective coatings)

VEDYUSHKIN, G.A. (Novosibirsk); GUSEV, O.Z. (Novosibirsk);
DANILEVSKIY, Yu.I. (Novosibirsk); LITVINCHUK, V.I. (Novosibirsk);
STERELYUKHINA, L.N. (Novosibirsk)

Measurement of differential magnetic susceptibility of ferromagnetic
films. Avtometriia no.3:122-126 '65. (MIRA 19:1)

1. Submitted Feb. 15, 1965.

L 17630-66

ACC NR: AP6007304

SOURCE CODE: UR/0247/66/016/001/0034/0037

20
E

AUTHOR: Plekhanov, G. F.; Vedyuskhina, V. V.

ORG: Tomsk Medical Institute (Tomskiy meditsinskiy institut); Institute of Cytology and Genetics, Siberian Division, Academy of Sciences SSSR (Institut tsitologii i genetiki Sibirskogo otdeleniya Akademii nauk SSSR); Institute of Automation Technology and Electrometry, Siberian Division, Academy of Sciences SSSR (Institut avtomatiki i elektrometrii Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Development of a human vascular conditioned reflex to variations in the intensity of a high-frequency EMF

SOURCE: Zhurnal vysshey nervnoy deyatel'nosti, v. 16, no. 1, 1966, 34-37

TOPIC TAGS: conditioned reflex, ^{SS}EMF, human physiology

ABSTRACT: The authors studied the plethysmographic response of 7 subjects aged 20—23 to a fluctuating EMF (220—330 μ v/m). More than 100 tests were conducted. The plethysmographic technique was selected because: 1) It is a highly sensitive index; 2) it is uncontrollable by the subject; 3) there are no electrical elements involved. The EMF was generated by a 735-kc "DTP" portable diathermy apparatus. The drawback of this generator was its high noise level during operation. The field voltage was varied by rotating the apparatus on a stool. In another mode, plugging a lead into a terminal resulted in a substantial change in the spectral composition of the field. Finally, field voltage could be increased by extending the

Card 1/4

UDC: 612.833.81+612.014:426

L 17630-66

ACC NR: AP6007304

hand towards the generator. Thus the conditioned stimulus consisted of variations in EMF radiation intensity and spectrum.

All tests were conducted with the subject sitting in a comfortable chair with arm-rests, in a soundproof room. The hand and one-third of the forearm were placed in a plethysmograph filled with warm water. The EMF was switched on and rotated to the position of the weakest field. A kymograph recorded the normal characteristics of both hands and a pneumogram. The first 3—5 tests did not include stimulus. When the conditioned stimulus was introduced, its duration was 20 sec, as was the duration of the unconditioned stimulus of cold water (4C) flowing through a copper coil on the left hand of the subject. After the latter stimulus was terminated, warm water (35C) was introduced for 15—20 sec. The test lasted for 40—50 min and included no more than 6 combinations. Every 16—20 min, 5—10 min rest breaks were allowed.

After establishing a normal background and extinguishing the action of distant audio and visual stimuli, a conditioned reflex to white and differentiation to red were developed. Five combinations (white light and cold) were required to develop the reflex, while four unreinforced stimuli were required to extinguish it. Differentiation was developed after seven red light probes with no cold reinforcement. The development of a substantial but initially unstable conditioned reflex (vascular constriction) to the rotation of the generator began after 13 combinations on this background. After 24 combinations, the reflex had become stabilized and remained constant up to the 46th combination, at which time it was extinguished by rotating the

Card 2/4

L 17630-66

ACC NR: AP6007304

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generator three times with no reinforcement. Redevelopment of the reflex required two combinations, after which it remained stable for 14 tests.

An interesting phenomenon was observed after a stable conditioned reflex had been developed: As the experimenter would prepare to administer a stimulus and extend his hand towards the generator, vascular tonus would fluctuate sharply. An analysis of the experimental conditions revealed that the act of approaching the generator increased the field voltage around the subject.

In a series which required plugging a lead into a terminal of the generator as a stimulus mode, the conditioned reflex was developed after 12 combinations. After the 16th combination, it was extinguished by two unreinforced conditioned stimuli.

The experiment thus demonstrated that conditioned reflexes to three types of EMF stimulus could be successfully developed and that the conditioned stimulus was indeed a variation (110 $\mu\text{v}/\text{m}$) in EMF intensity and not the result of other experimental artifacts such as visual, olfactory, audio, thermal, or electrical factors.

The authors can only speculate on the mechanism of EMF reception: 1) The retina, skin, and other sense organs can serve as EMF receptors; 2) there are specific EMF receptors in the skin; 3) EMF can be sensed by any living cell, especially neural cells of the brain. They further speculate that it is entirely possible for EMF to directly affect the physical and chemical structure of cells; in this connection,

Card 3/4

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ACC NR: AP6007304

EMF reception might be analogous to the reception of weak doses of ionizing radiation where the field is nonspecific, inadequate stimulus. Orig. art. has: 3 figures. [CD]

SUB CODE: 06/ SUBM DATE: 26Aug64/ ORIG REF: 009/ ATD PRESS: 4210

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47056-66 EWT(d)/EWT(l)/EWT(m)/EWP(v)/EWP(t)/EPI/EWP(k)/EWP(h)/EWP(i) IJF(5)
ACC NR: AP6015326 JD/00 (N) SOURCE CODE: UR/0410/65/000/003/0122/0126

AUTHOR: Vedyushkin, G. A. (Novosibirsk); Gusev, O. Z. (Novosibirsk); Danilevskiy, Yu. L. (Novosibirsk); Litvinchuk, V. I. (Novosibirsk); Sterelyukhina, L. N. (Novosibirsk)

ORG: none

TITLE: Measuring the differential magnetic susceptibility of ferromagnetic films [Paper presented at the Sixth All-Union Conference on Automatic Control and Electrical Measurement Methods held in Novosibirsk in September 1964]

SOURCE: Avtometriya, no. 3, 1965, 122-126

TOPIC TAGS: magnetic susceptibility, ferromagnetic film, magnetic field measurement

ABSTRACT: The authors describe a simple method for measuring and analyzing experimental curves of differential magnetic susceptibility of a ferromagnetic film at various relative orientations of the external fields, the pick-up loop, and the anisotropy axis of the film. The method employs a special assembly in which the film is acted on by low (50 cps) and high (60 to 180 Mc) frequency fields. The unbalanced signal received at the output of the HF bridge balancing system is proportional to the differential magnetic susceptibility of the film. The HF signal is amplified, filtered, and detected, then passed through an LF amplifier into the vertical input

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Card 1/2

L 47056-66

ACC NR: AP6015326

of an oscillograph. Phase correction is provided. Sensitivity level of the instrument permits reception of signals from films $0.05\text{-}\mu$ thick, at a spot 1 mm in diam. Use of the HF field makes it possible to reduce the number of amplification stages and to operate with a single pick-up loop. In conclusion, the authors thank Cand. of Tech. Sci. V. L. Dyatlov for the statement of the problem and assistance in the work. Orig. art. has: 5 figures and 8 formulas.

SUB CODE: 20/ SUBM DATE: 15Feb65/ ORIG REF: 003/ OTH REF: 002

vlr

Card 2/2

MAURER, I. Gy.; VINCIG, N.

Two demonstrations of a Gyirós theorem. *St. Ján Univ. B. S. Math-Phys 10 no.1:7-11 1965.*

VEEGH, Zoltan

On the fees paid for railraod damages assessments. Kozleked
kozl 18 no.11:174-177 Mr '62.

KAAR, E.; KOLLIST, P.; LING, Kh. [Lin, H.]; MAAVARA, V.; MARGUS, M.;
NIL'SON, A. [Nilson, A.]; PARMASTO, E.; REBANE, Kh. [Rebane, H.];
SEPP, R.; VALK, U.; VEERMETS, K.; SKVORTSOVA, A., red.;
TOOMSALU, E., tekhn. red.

[Forestry research in the Estonian S.S.R.] Lesovodstvennye is-
ledovaniia v Estonskoi SSR. Tartu, 1960. 64 p. (MIRA 15:1)

1. Eesti NSV Teaduste akademia. Zooloogia ja botaanika instituut.
(Estonia--Forestry research)

MARGUS, M.; VALMET, A.; VEEHMETS, K.; RAIET, E., red.; LUMET, E.,
tekhn. red.

[Russian-Estonian silvicultural dictionary] Metsandulik vene-
eesti sonastik. Tallinn, Eesti Riiklik Kirjastus, 1962. 78 p.
(MIRA 15:10)

(Forests and forestry--Dictionaries)
(Russian language--Dictionaries--Estonian)

VEEROJA, P.; MASSO, T., red.

[Rural building; handbook] Maaehitus; käsiraamat. Tallinn,
Eesti NSV Põllumajanduse Ministeriumi Teaduslik-Tehniline
informatsiooni Büroo, 1965. 262 p. [In Estonian]

(MIRA 18:12)

1. Estonian S.S.R. Koondis "Eesti Põllumajandustehnika"
Tehnilise Abi Büroo.

BELOZJOROVA, A.; DANILOV, V.; HANIKAT, E.; KAHU, M.; MAIOROVA, T.
[Mayorova, T.]; SOKOLOV, A.; SUROV, A. [Sharov, A.]; TIMAID, H.;
TUISK, A.; URB, E.; VEERSALU, E.; TIMAKOV, S.; JUHANI, I., red.;
EINBERG, K., tekhn. red.

[Achievements of Soviet Estonia in 20 years; statistical survey]
Noukogude Eesti saavutusi 20 aasta jooksul; statistiline kogumik.
Tallinn, Eesti riiklik kirjastus, 1960. 173 p. (MIRA 15:5)

1. Estonian S.S.R. Statistika Kesksvalitsus. 2. Sotrudniki Statisti-
cheskogo upravleniya Soveta Ministrov Estonskoy S.S.R. (for all
except Juhani, Einberg). 3. Direktor Statisticheskogo upravleniya
Soveta Ministrov Estonskoy S.S.R. (for Timakov).
(Estonia--Economic conditions)

MATOLCHI, D., GEREK, L., VEG, A.

Preparation of bis 2,4-ethylamino-6-chloro-sym-triazine. Zhur.
prikl.khim. 33 no.5:1224-1226 My '60. (MIRA 13:7)

1. Issledovatel'skiy institut zashchity rasteniy, Budapesht,
Vengriya.

(Triazine)

VEG, Endre

One of statistical properties of logarithmic counting-rate meters. Koz fiz kozl MTA 11 no.4: 261-268 '63.

VEG, L.

"On the anniversary of the Hungarian Soviet Republic." p. 93

MAGYAR TEXTILTECHNIKA (Textilipari Muszaki es Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 11, No. 3, Mar. 1959

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Uncl.

VEG, Laszlo

Some useful technical experience from the Soviet textile works.
Magy textil 14 no.6:241-244 Je '62.

1. Miniszterhelyettes, Budapest.

VEG, Laszlo

Cooperation development between the Polish and Hungarian
textile industries. Przegl włokien 16 no.7/8:363-364 J1-Ag '62.

1. Wiceminister, Prezes Węgierskiego włokienniczego
Stowarzyszenia Techniczno-Naukowego, Budapest.

VEG, Laszlo

Our free country's 16 years. Magy textil 13 no.3:89-90 Mr '61.

VEG, Laszlo

What measures does the Ministry of the Light Industry take to reduce the number of accidents in the textile industry? Munka 12 no.8:4-5 Ag '62.

1. Konnyuipari miniszterhelyettes.

VEGA, A.

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DLC: TK6540.G6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

VEGA, G.

[Tables of seven-place logarithms] ~~Tablitsy samostoyatelnykh~~
logarifmov. Moskva, Gosgeoltekhizdat, 1963. 559 p.
(MIRA 16:12)

(Logarithms--Tables, etc.)

VEGA, G.; SHLENSKIY, I.A., tekhnicheskiy redaktor.

[Seven-place logarithm tables; photozincograph of the 65th
stereotype edition] Tablitsy semiznachnykh logarifmov (fototsinko-
grafiia s 65 stereotipnogo izdaniia). Moskva, Izd-vo geodszicheskoi
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(Logarithms)

TIBOR, G.; KOVACH, D. [Kovacs, D.]; LAZAR, D.; VEG, P.

Local increase in sensitivity to endotoxin and its relation
to the Shwartzman phenomenon. Zhur. mikrobiol. epid. i immun.
33 no.10:89-96 0*62 (MIRA 17:4)

1. Iz Farmakologicheskogo instituta Segedskogo meditsinskogo
universiteta.

CRISTODORESCU, Gh.; VEGA, I.; CARTIS, I.

Influence of the nature and temperature of the medium of cooling on the properties and flaw appearances on indigenous chrome and structural steel. Bul St si Tehn Tim 7:151-156 '62.

Influence of the temperature and duration of heating on the properties of the RW 180 high-speed steel. Ibid.:157-162

CRISTODORESCU, Gh.; CARTIS, I.; VEGA, I.; RADU, J.

Determination of the optimum conditions of thermal treatment of punches made of W23 Rumanian steel. Eul St si Tehn Tim 8 no.1:117-122 Ja-Je '63.

VEGA, K.E., assistant

Approximation of functions by means of cosine-binomials. Nauch.
trudy MTILP no.27:288-292 '63.

(MIRA 17:11)

1. Kafedra vysshey matematiki Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti.

VEGANOV, A.I.

[Clay filler concrete] Keramzitbeton. Moskva, Gos. izd-vo lit-ry po
str-vu i arkh-re, 1954. 68 p. (MLRA 7:12D)

USSR/Diseases of Farm Animals. Diseases Caused by Helminths

R

Abstr Jour : Ref Zhur - Biol., No 19, 1958, No 88255

Author : Vegabetyan V.G.
Inst : Yerevan Zootechnical Veterinary Institute
Title : Experiences Gathered at Some Kolkhozes of the Nakhchivan Region of the Armenian SSR in Controlling Fascioliasis [Liver-Fluke Disease] in Farm Animals.

Orig Pub : Tr. Yerevansk. zootekhn. vet. in-ta, 1957, vyp. 21, 247-261

Abstract : The experiences of 2 years in attempting to control fascioliasis of large and small horned cattle, which infected on the average more than 50 percent of the animals, are described here. Treating the animals with vermifuge treatments which were effected twice (first, 1 month before the animals were taken out to pastures, and for a second time 1 1/2-2 months after the animals were established in stable keeping) produced a 100 percent favorable effectiveness.

Card : 1/1

VEGAPETYAN, V.G.

GRIGOR'YAN, G.A., kand. vet. nauk; AKOPYAN, V.D., kand. vet. nauk;
KHANBEGYAN, R.A., nauchnyy sotrudnik; VEGAPETYAN, V.G., nauchnyy
sotrudnik; AYVAZYAN, A.A.

Use of tin arsenite in avitellinosis of sheep [with summary in
English]. Veterinaria 35 no.4:43-44 Ap '58. (MIRA 11:3)

1. Institut zhivotnovodstva i veterinarii Ministerstva sel'skogo
khozyaystva ArmSSR (for Grigoryan, Akopyan, Khanbegyan, Vegapetyan).
2. Glavnyy vetvrach Echmiadinskogo rayona ArmSSR (for Ayvazyan).
(Tin arsenite) (Sheep--Diseases and pests)

VEGAR, B.; VARLANLY, M.

Problems and trends of road transportation in Yugoslavia)

(CESTE I MOSTOVI. Vol. 5, No. 7, July 1957, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions (EFAL) Lc. Vol. 6, No. 10, October 1957. Uncl.